

Increase your market share by becoming a Lean and Green Manufacturer

Manufacturers are cutting costs and increasing their efficiency by using lean methods. Customers are buying from green companies. If you are not already looking at ways to make your operations both **lean and green**, then you are behind the curve.

Washington Manufacturing Services (WMS), Washington State University Extension Energy Program (WSU) and Washington State Department of Ecology (Ecology) have partnered to address this problem by offering a cutting edge lean and green program to Washington manufacturers. By using lean, energy, and environmental methods to identify and eliminate waste and non value-added activities, this program will improve your productivity and enhance the competitiveness of your business.

What to Expect

- Increased productivity and lower costs
- Reduced lead-times
- Improved quality
- Reduced inventory and waste
- Increased floor space available for production
- Reduced downtime and changeover time
- Reduced risk of non-compliance
- Reduced chemical risks and costs
- Improved worker morale, health, and safety

How It Works

WMS and Dept of Ecology will provide the following services, tailored to your needs:

- Provide Lean manufacturing training and implementation
- Identify and implement operational efficiency and process-flow improvements
- Identify and reduce material, resource, and energy wastes
- Identify and mitigate risks (e.g. worker health and safety; spills and site contamination)
- Support process changes with free regulatory compliance consultation

What It Costs

An investment of \$10,000 and senior management commitment

For More Information

If you are interested in taking advantage of this opportunity, please contact:

- Nigel Moore (WMS) – 425.438.1146 or nmoore@wamfg.org
- Hugh O'Neill (Ecology) – 360.407.6354 or hugh.o'neill@ecy.wa.gov

"This whole project...was real exciting for us. We'd done lean things before, but we never really looked at the environmental side of it. Having the support of Ecology, being right there with us, working the problems out, was tremendous."

John Earl, Canyon Creek Cabinets



ecy.wa.gov/programs/hwtr/lean



energy.wsu.edu



www.wamfg.org

Lean and Green Program FAQ

What is the Lean and Green Program?

The Lean and Green Program brings a process-improvement project into your manufacturing facility that yields environmental benefits, improves the efficiency and productivity of your business, and positively impacts your bottom line.

What are the benefits to my company?

- Improved green manufacturer image
- Reduced manufacturing costs
- Improved production efficiency
- Reduced environmental regulatory costs and risks
- Strengthened continuous improvement culture
- Reduced production time, maintenance, and energy costs

What funding assistance is available?

An Ecology/EPA grant will cover up to 67 percent (approximately \$20k) of the project cost. The company is responsible for the remaining 33 percent. *Funding assistance may expire December 31, 2009.* Additional WSU funds to implement energy improvements may also be available.

What time commitment is required from my company?

Projects may last 3-4 months and usually involve a time commitment of one week per month for selected staff.

How does the selection process work?

Potential candidate companies are reviewed based on the commitment of senior management to the implementation of a successful project and their willingness to integrate environmental and energy considerations into decision-making.

“By improving spray techniques and better calibrating the equipment, crews are achieving a more uniform finished product while reducing waste.”

Matt Rogala, Lasco Bathware

What will be my ROI for participating in this project?

Three companies participated in pilot projects and saved \$1.6 million total. Read more about these projects at www.ecy.wa.gov/pubs/0704033.pdf. Based on the results of these projects, your return on investment is anticipated to be 2:1 to 3:1 or more in the first year.

How do I get started?

If you are interested in taking advantage of this opportunity, please contact one of the people listed on the opposite page.



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